

Safety Data Sheet 2604312 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/17/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: Tetrafluorobenzene-1,2-diol		
CAS No	: 1996-23-2		
Product code	: 2604-3-12		
Formula	: C6H2F4O2		
Synonyms	: Tetrafluoropyrocatechol; 1,2-Dil	ydroxytetrafluorobenzene	
Other means of identification	MFCD01075279		
1.2. Relevant identified uses of the su	bstance or mixture and uses advise	d against	
Use of the substance/mixture	: Laboratory chemicals	adgamer	
	Manufacture of substances Scientific research and develop	nent	
1.3. Details of the supplier of the safe	ty data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America			
T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company -	Account 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance o	· mixture		
Classification (GHS-US)			
Acute Tox. 4 (Oral)H302 - Harmful if swalSkin Irrit. 2H315 - Causes skin irrEye Irrit. 2AH319 - Causes seriousSTOT SE 3H335 - May cause res	tation eye irritation		
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irrita H335 - May cause respiratory ir		
Precautionary statements (GHS-US)	P301+P312 - If swallowed: Call P302+P352 - If on skin: Wash v P304+P340 - If inhaled: Remov P305+P351+P338 - If in eyes: F lenses, if present and easy to d P312 - Call a POISON CENTEF P321 - Specific treatment (see s P330 - Rinse mouth	er handling ke when using this product well-ventilated area rotective clothing/eye protection/face protecti a POISON CENTER or doctor/ physician if yo ith plenty of soap and water e person to fresh air and keep comfortable for tinse cautiously with water for several minutes	ou feel unwell r breathing s. Remove contact
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2.3.

2.4.

3.1.

3.2.

4.1.

4.2.

Name

Not applicable

Substance type

(Main constituent)

Not applicable

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P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant Other hazards No additional information available Unknown acute toxicity (GHS US) SECTION 3: Composition/information on ingredients Substance : Mono-constituent **Classification (GHS-US)** Product identifier % Tetrafluorobenzene-1,2-diol (CAS No) 1996-23-2 <= 100 Acute Tox. 4 (Oral), H302 Skin Irrit, 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Full text of H-phrases: see section 16 **Mixture SECTION 4: First aid measures Description of first aid measures** First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact Wash with plenty of soap and water. Get immediate medical advice/attention. ÷ First-aid measures after eye contact Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse First-aid measures after ingestion mouth out with water. Get immediate medical advice/attention. Most important symptoms and effects, both acute and delayed Symptoms/injuries The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECT	ION 5: Firefighting measures	
5.1.	Extinguishing media	
Suitable	e extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.
5.2.	Special hazards arising from the su	bstance or mixture
Fire ha	zard	: Thermal decomposition generates: Carbon oxides. Hydrogen fluoride.
5.3.	Advice for firefighters	
Firefigh	ting instructions	: In case of fire: Evacuate area.
Protect	ion during firefighting	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".

SECTIO	SECTION 6: Accidental release measures		
6.1.	Personal precautions, protective equipment and emergency procedures		
General r	neasures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.	
6.1.1.	For non-emergency personnel		
Emergen	cy procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.	

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6.1.2. For emergency respond	ders
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precauti	ons
Avoid release to the environment. N	Notify authorities if product enters sewers or public waters.
6.3. Methods and material for	or containment and cleaning up
For containment	: Stop leak if safe to do so.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other sect	ions
No additional information available	
SECTION 7: Handling and	storage
7.1. Precautions for safe ha	
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe stor	rage, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. **Control parameters**

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and	chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: 68 - 69 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available

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Oxidizing properties	: No data available
Vapor pressure	: 20 mm Hg (@ 100 °C)
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 182.07 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

#### 9.2. **Other information**

No additional information available

SECT	TON 10: Stability and reactivity
10.1.	Reactivity
No add	litional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	litional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
Under i	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

Under normal condi ns of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

### **SECTION 11: Toxicological information**

Information on toxicological effects 11.1.

Acute toxicity	: Oral: Harmful if swallowed.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTIO	<b>ON 12: Ecological information</b>			
12.1.	Toxicity			
No additio	onal information available			
12.2.	Persistence and degradability			
No additio	No additional information available			
12.3.	Bioaccumulative potential			
No additional information available				
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#### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an	Ũ
Waste disposal recommendations Additional information	<ul> <li>Dispose of contents/container in accordance with licer</li> <li>Recycle the material as far as possible.</li> </ul>	nsed collector's sorting instructions.
SECTION 14: Transport informat	on	
Department of Transportation (DOT)		
In accordance with DOT		
Not regulated for transport		
TDG		
No additional information available		
Transport by sea		
No additional information available		
Air transport		
No additional information available		
SECTION 15: Regulatory information of the second seco	tion	
15.1. US Federal regulations		
All components of this product are listed, of Substances Control Act (TSCA) inventory	r excluded from listing, on the United States Environmental Preexcept for:	otection Agency Toxic
Tetrafluorobenzene-1,2-diol	CAS No 1996-23-2	100%
	toxic chemical or chemicals in excess of the applicable de min quirements of section 313 of Title III of the Superfund Amendn	
15.2. International regulations		
CANADA		

EU-Regulations No additional information available

National regulations No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

### **SECTION 16: Other information**

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Full text of H-pl	nrases:		
Acute	Tox. 4 (Oral)	Acute toxicity (oral) Category 4	
Eye Irr	it. 2A	Serious eye damage/eye irritation Category 2A	
Skin Ir	rit. 2	Skin corrosion/irritation Category 2	
STOT	SE 3	Specific target organ toxicity (single exposure) Category 3	
H302		Harmful if swallowed	
H315		Causes skin irritation	
H319		Causes serious eye irritation	
H335		May cause respiratory irritation	
NFPA fire haza NFPA reactivity	rd : 0 - Mat 2 : 0 - Nor	<ul> <li>3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> <li>0 - Materials that will not burn.</li> <li>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>	
HMIS III Rating			
Health	: 3 Seri given	ious Hazard - Major injury likely unless prompt action is taken and medical treatment is	
Flammability	Flammability : 0 Minimal Hazard - Materials that will not burn		
Physical		imal Hazard - Materials that are normally stable, even under fire conditions, and will NOT with water, polymerize, decompose, condense, or self-react. Non-Explosives.	

#### SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.